PERFORMANCE DATA SHEET 2133 Monoclonal anti-human TIGIT*



mAb name/Clone: ANCTG6/10A6 *Isotype:* Mouse IgG1k *Immunogen:* Recombinant human TIGIT

CATALOG#: 340-820 (Preservative-free) QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human TIGIT (T cell immunoreceptor with Ig and ITIM domains) is a co inhibitory receptor expressed by activated T cells, memory T cells, Treg cells and NK cells. It binds ot CD155(PVR) and less avidly to CD112(PVRL2). Antibody ANCTG6 binds to receptors on a sub set of human peripheral blood lymphoid cells, as well as to recombinant TIGIT in EIA. **References: 1**) Dougall WC, AC Anderson, et al. (2017) *Immunol Rev* **276**(1): 112-120. doi: 10.1111/imr.12518 PMID: 28258695

STORAGE CONDITIONS: *Store at 2 - 5^oC*. **Open under aseptic conditions.** Freeze/Thawing is not recommended.

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

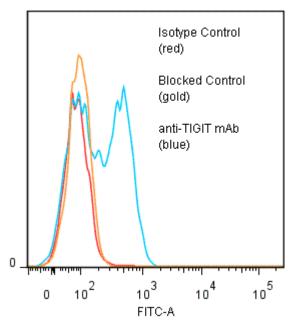
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2 µm filtered and vialed under aseptic conditions.

PERFORMANCE: Five x 10^5 ficoll prepared human **PBMC** were washed and pre incubated 10 minutes with 20 ul of 300 ug/ml human IgG (to reduce nonspecific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-TIGIT antibody at **1 µg/ml**. Cells were washed twice and incubated with 2° reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed twice, fixed and analyzed by FACS using a lymphocyte gate. A **29%** sub population of cells stained positive with a mean shift of **0.6** log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010). Binding was blocked when the reagent was pre incubated with a >10 fold excess of TIGIT-muIg (cat# 556-020).

* Research Use Only. Not for use in Diagnostic procedures.

Binding of anti-TIGIT mAb +GAM/FITC to human PBL



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